

METHOD AND SYSTEM FOR ACCESSING DATA

CO-PENDING APPLICATIONS

5 This application is related to United States Patent Application Serial No. 09/819,147 entitled
 "DEVICE AND METHOD FOR COMPRESSION OF A VIDEO STREAM," filed March 27, 2001,
 having Attorney Docket Number. VIXS.0100010; United States Patent Application Serial Number
 04/918,380
 10 ~~XXXXXX,XXX~~ entitled "SYSTEM AND METHOD FOR MULTIPLE CHANNEL VIDEO," filed
 herewith on even date having Attorney Docket Number VIXS.0100090; and United States Patent
 Application Serial Number ~~XXXXXX,XXX~~ 04/917,967 entitled "SYSTEM AND METHOD FOR MULTIPLE
 CHANNEL VIDEO TRANSCODING," filed herewith on even date having Attorney Docket
 Number VIXS.0100100.

FIELD OF THE DISCLOSURE

The present invention relates generally to the processing of video data, and more specifically
 to specific methods and devices for processing video data.

BACKGROUND

15 The use of data processors to manipulate data is well known. Many general purpose data
 processors include the ability to manipulate specific bits of data by loading data into one or more
 registers and executing various rotation commands, masking commands, and logic commands.
 Examples of general purpose data processors used to implement a wide variety of specific functions
 include Reduced Instruction Set Computer (RISC) microprocessors, Complex Instruction Set
 20 Computer (CISC) microprocessors, and microcontrollers.

General purpose processors are generally limited in their ability to execute real-time
 applications that require bit processing. For example, a general purpose data processor performing
 an application that includes manipulating compressed data will generally access specific bits of a
 data word before a desired operation can be performed on the data. The specific bits are accessed by

BEST AVAILABLE COPY